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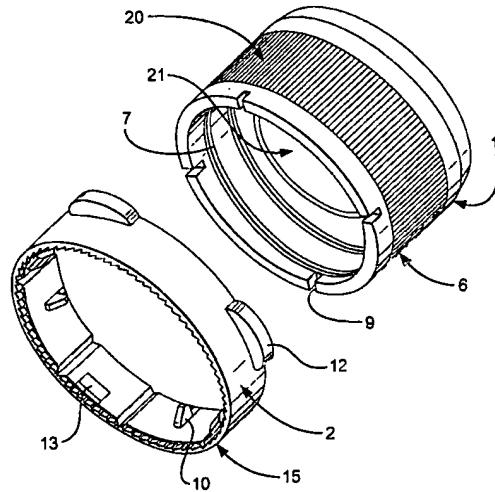
- of inventorship (Rule 4.17(iv)) for US only

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(54) Title: CLOSURE FOR A CONTAINER



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(57) Abstract: A closure for a container which comprises a cap (1) and a locking ring (2), the cap being adapted in use to sealably engage the opening (3) of the outlet neck (4) of a container (5); and the locking ring being adapted in use to be mounted over the outlet neck of the container and slidable between first and second positions, such that in use in the first position, the locking ring engages the cap and thereby prevents disengagement of the cap from the opening of the container and in the second position, the locking ring is (a) disengaged from the cap thereby allowing the cap to disengage the opening of the outlet neck and (b) retained in the second position on the outlet neck of the container.

INTERNATIONAL SEARCH REPORT

national Application No

2004/001161

A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B65D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 514 003 A (FITZGERALD MILLARD C) 26 May 1970 (1970-05-26) column 3, line 13 - column 5, line 13; figures 1-6	1-6, 9, 13-16
Y	US 5 950 848 A (BAUDIN GILLES) 14 September 1999 (1999-09-14) the whole document	7, 8
X	US 6 315 165 B1 (REGAN PHILIP M) 13 November 2001 (2001-11-13) column 4, line 35 - column 5, line 23; figures 3,5,6	1-6, 9, 13-16
A	US 3 628 680 A (DEAVER DANNY L) 21 December 1971 (1971-12-21) the whole document	1-6, 9-16
		-/-

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Patent family members are listed in annex.

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Date of the actual completion of the international search

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 612 322 A (LINKLETTER ROBERT P) 12 October 1971 (1971-10-12) the whole document -----	1-6, 9-16

INTERNATIONAL SEARCH REPORT

ational Application No

B2004/001161

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 3514003	A	26-05-1970	NONE		
US 5950848	A	14-09-1999	FR 2752818 A1 06-03-1998		
			AT 191419 T 15-04-2000		
			DE 69701610 D1 11-05-2000		
			DE 69701610 T2 20-07-2000		
			EP 0839735 A1 06-05-1998		
			ES 2145562 T3 01-07-2000		
US 6315165	B1	13-11-2001	IE 980530 A1 09-02-2000		
			AT 231809 T 15-02-2003		
			AU 4529899 A 17-01-2000		
			BR 9909950 A 26-12-2000		
			DE 69905163 D1 06-03-2003		
			DE 69905163 T2 23-10-2003		
			EP 1091884 A2 18-04-2001		
			ES 2192056 T3 16-09-2003		
			HK 1035356 A1 13-06-2003		
			WO 0000405 A2 06-01-2000		
US 3628680	A	21-12-1971	NONE		
US 3612322	A	12-10-1971	GB 1257275 A		15-12-1971